

Math Day 5
March 12, 2010



Due-Lesson 1- Intro to Fractions
(Level green, blue or black)

Intro to lesson 2- Adding Fractions w/mixed numbers

LESSON - Review of fractions.pptx

Jan 29-9:26 AM

11:03 Review of Fractions

Equivalent Fractions (the 'one' rule)

$$\frac{3}{8} = \frac{9}{24} ; \frac{1}{2} = \frac{100}{200} \quad \frac{3}{3} = 1$$

Comparing Fractions

$$\frac{3}{8} < \frac{4}{8}$$

Improper fractions

$$\frac{5}{4} = 1\frac{1}{4}$$

Mixed Numbers

$$1\frac{2}{3} = \frac{5}{3}$$

Adding and Subtracting 'like' fractions

$$\frac{3}{5} + \frac{4}{5} = \frac{7}{5}$$

Multiplication Fractions

$$3 \text{ 'lots of' } \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$$

$$4 \text{ of } \frac{1}{5} ;$$

$$\frac{4}{1} \times \frac{1}{5} = \frac{4}{1} \times \frac{1}{5} = \frac{4}{5}$$

Mar 7-7:42 PM

Equivalent Fractions

$$\frac{3}{4} \cdot \frac{2}{2} = \frac{6}{8} \cdot \frac{10}{10} = \frac{60}{80}$$

Lowest Common Denominator = Lowest Common Multiple

$$LCD = LCM$$

Before adding or subtracting fractions we must express each fraction with the same denominator.

$$\frac{2}{7} + \frac{3}{4} = \frac{8}{28} + \frac{21}{28} = \frac{29}{28} = 1\frac{1}{28}$$

$$\frac{3}{4} - \frac{2}{5} = \frac{15}{20} - \frac{8}{20} = \frac{7}{20}$$

Add/Subtract Mixed Numbers

$$1\frac{2}{3} + 3\frac{4}{5} = 4$$

$$\frac{10}{15} + \frac{12}{15} = 4\frac{22}{15} = 4 + 1\frac{7}{15} = 5\frac{7}{15}$$

Mar 11-1:21 PM

Mar 12-8:13 AM

Subtracting

$$5\frac{5}{18} - 3\frac{2}{3} =$$

$$5\frac{5}{18} - 3\frac{12}{18} =$$

$$\star 4\frac{23}{18} - 3\frac{12}{18} = 1\frac{11}{18}$$

$$\begin{array}{r} 3 \overline{) 183} \\ \underline{61} \\ 123 \end{array}$$

Homework

Lesson 2
CHECK YOUR ANSWERS-
Due Tuesday

Mar 12-9:26 AM

Jan 31-7:58 PM

LESSON - Review of fractions.pptx